

FIG. 1

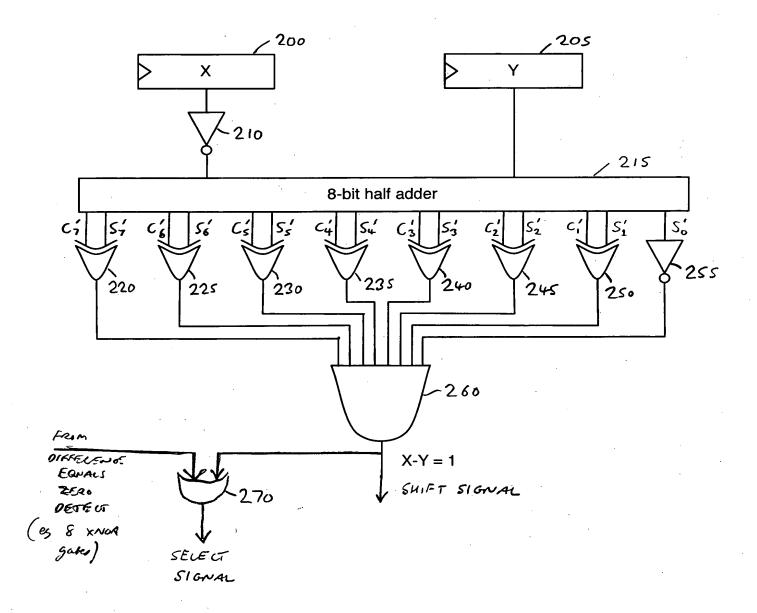
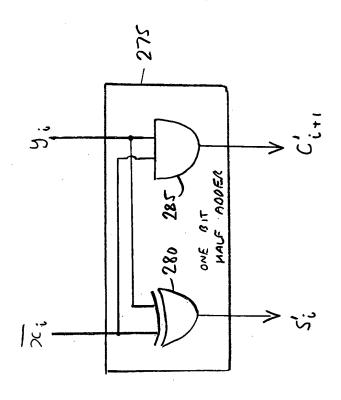
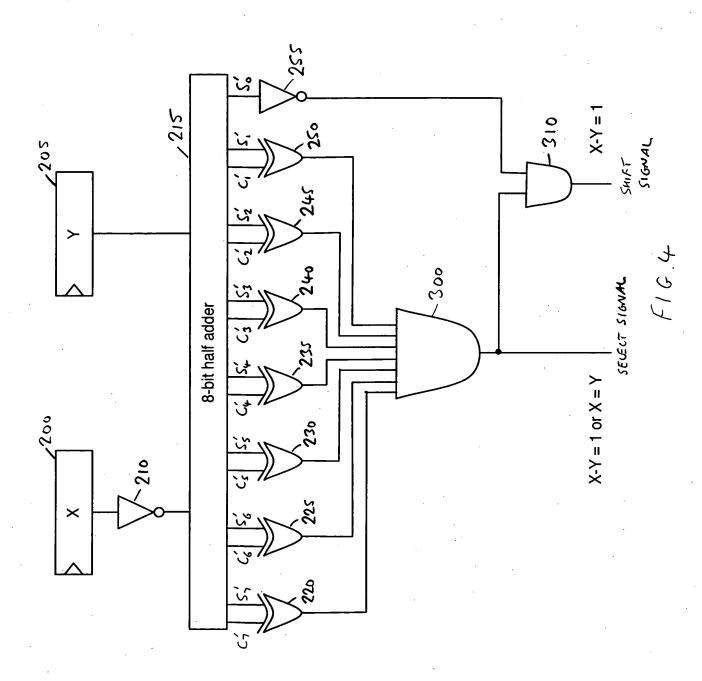


FIG. 2



F16.3



IN EACH DETECTOR LOGIC INVERT 1 EXPONENT UNIT AND ADD TO OTHER EXPONENT IN HAUF ADDER TO PRODUCE -400 INTERMEDIATE CARRY AND SUM VALLES FOR ALL BITS OF INTELMEDIATE CARRY AND SUM VALUES OTHER THAN THE LSB PERFURM THE 410 COMPUTATION FINAL Si = INTER Ci XOR INTER Si INVERT LSB INTERMEDIATE SUM VALLE 430 DOES FINAL S DO NOT SET SHIRT = -2SIGNAL ? ONLY SET SELECT SIGNAL IF FIRST SET SHIFT SIGNAL + SEGNO EXPONENTS ARE EQUAL + SET SELECT SIGNAL

PROCESS PERFORMED

FIG. 5

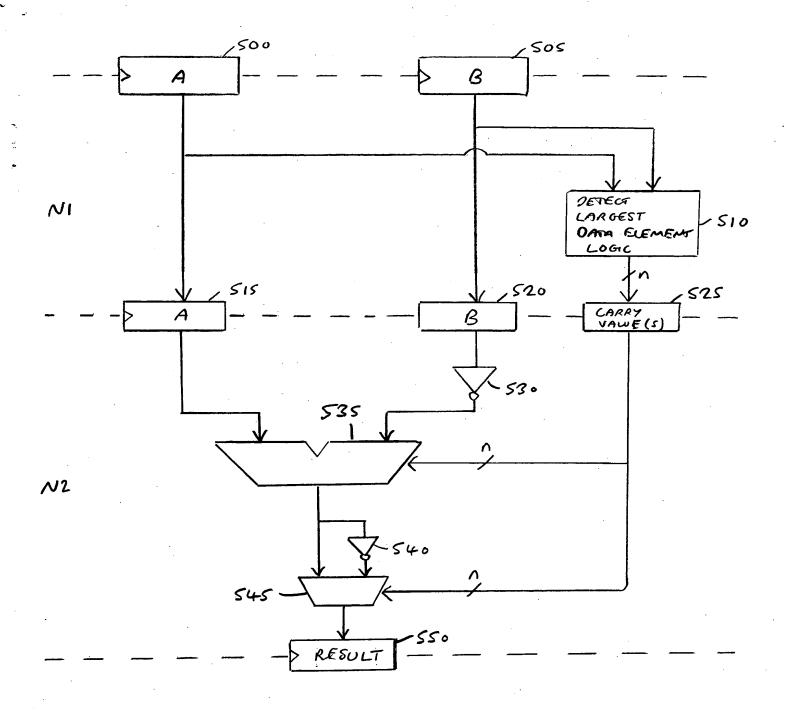


FIG. 6

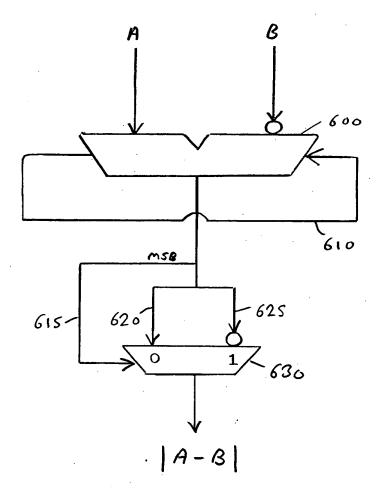


FIG. 7 (PRIOR ART)

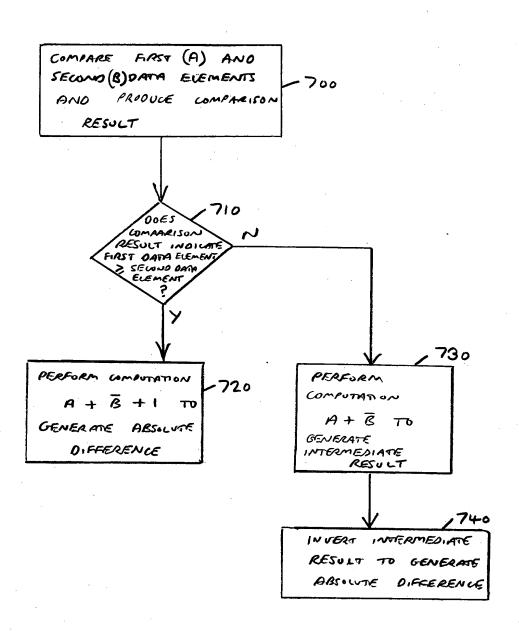


FIG. 8